

Amendments to the Specification:

Please replace the Abstract on page 15 with the following amended Abstract:

An embolic coil deployment system for placing a coil at a preselected site within a vessel of the human body. The deployment system includes a heating element at the distal end of a delivery member and a heat responsive coupling for holding the coil during positioning of the coil and ~~activation means the~~ heating element is heated to reduce the strength of the heat responsive coupling for releasing the coil at a desired position within the vessel.

Please replace the paragraph beginning at page 9, line 8 with the following amended paragraph:

~~Figure~~ Figures 3 through ~~56~~ are enlarged partially sectioned views illustrating the sequential steps of positioning the vascular coil within a vessel releasing the coil at preselected site.